

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number  
WO 2004/042993 A1

(51) International Patent Classification\*: H04L 1/18,  
12/56, H04Q 7/22

(21) International Application Number:  
PCT/IB2003/004958

(22) International Filing Date:  
6 November 2003 (06.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
102 52 536.6 8 November 2002 (08.11.2002) DE

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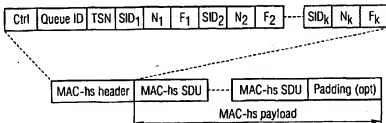
(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,  
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,  
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,  
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,  
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

[Continued on next page]

(54) Title: DATA TRANSMISSION SYSTEM



Ctrl:

S	NSNRI	Qid	N	TSN	...	TSN	...	Qid	N	TSN	...	TSN
1	3	3	1	3	...	3	...					

S:

0: No SNRI-list follows

1: SNRI-list follows

NSNRI

Count of priority classes, for which entries are present.

Qid:

Priority class to which the SN I list refers

N:

Number of TSNs that follow

TSN:

TSN of a MAC-hs PDU, which is still under retransmission

(57) Abstract: In order to minimize the overall delay when transmitting data via the HS-DSCH in UMTS, provisions should be made that an RLC entity on the UE side receives RLC PDUs carried by the HS-DSCH as early as possible from the MAC-hs layer, while at the same time keeping the right sequence of these RLC PDUs. In accordance with the present invention, the scheduler in Node B is allowed to send a list of TSNs of MAC-hs PDUs which are still under retransmission to the receiver, such as a mobile station. Such a list may also be sent for MAC-hs PDUs for which the transmission was aborted but a new transmission is intended. Advantageously, this may allow to avoid "useless gaps" in a reordering buffer of the receiver and, as such, may allow for an efficient data transmission.

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*